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<120> METHOD FOR ASSAYING COMPOUNDS OR AGENTS FOR ABILITY TO DECREASE
THE ACTIVITY OF MICROSOMAL PROSTAGLANDIN E SYNTHASE OR
HEMATOPOIETIC PROSTAGLANDIN D SYNTHASE

<140> NOT YET ASSIGNED

<150> US 60/404,008

<150> GB 0229244.9

<160> 4

$\langle 210 \rangle$ 1

<211> 459

<212> DNA

<213> Homo sapiens

$\langle 400 \rangle$ 1

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aagaagqcct ttgccaaccc cgaqqatgcc ctgagacacg gaqqcccccq qtattgcagg 180

aqcgaaccccg acgtggaacg ctgcctcagg gccaccgga acgacatgga gaccatctac 240

cccttccttt tcctgggctt cgtctactcc tttctgggtc ctaacccttt tgtcgcctgg 300

atgcacttcc tggtcttcct cgtgggccgt gtggcacaca ccgtggccta cctggggaaag 360

ctgcggggcac ccattccqctc cgtgacctac accctggccc agctccccctg cgcctccatg 420

gctctgcaga tcctctggga agcggcccgc cacctgtga 459

$\langle 210 \rangle$ 2

<211> 152

<212> PRT

<213> Homo sapiens

<400> 2

Met Pro Ala His Ser Leu Val Met Ser Ser Pro Ala Leu Pro Ala Phe
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Leu Leu Cys Ser Thr Leu Leu Val Ile Lys Met Tyr Val Val Ala Ile
20 25 30

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Ile Thr Gly Gln Val Arg Leu Arg Lys Lys Ala Phe Ala Asn Pro Glu
35 40 45

Asp Ala Leu Arg His Gly Gly Pro Gln Tyr Cys Arg Ser Asp Pro Asp
50 55 60

Val Glu Arg Cys Leu Arg Ala His Arg Asn Asp Met Glu Thr Ile Tyr
65 70 75 80

Pro Phe Leu Phe Leu Gly Phe Val Tyr Ser Phe Leu Gly Pro Asn Pro
85 90 95

Phe Val Ala Trp Met His Phe Leu Val Phe Leu Val Gly Arg Val Ala
100 105 110

His Thr Val Ala Tyr Leu Gly Lys Leu Arg Ala Pro Ile Arg Ser Val
115 120 125

Thr Tyr Thr Leu Ala Gln Leu Pro Cys Ala Ser Met Ala Leu Gln Ile
130 135 140

Leu Trp Glu Ala Ala Arg His Leu
145 150

<210> 3
<211> 600
<212> DNA
<213> Homo sapiens

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gaaatcaaat caactctccc atttggaaaa atccccattt tggaagtga tggacttact 180
cttcaccaga gcctagcaat agcaagatat ttgacaaaa acacagattt ggctggaaac 240
acagaaatgg aacaatgtca tgttgatgct attgtggaca ctctggatga tttcatgtca 300
tgttttcctt gggcagagaa aaagcaagat gtgaaagagc agatgttcaa tgagctgctc 360
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ttggtcttta agcctgacct gtagacaac catccaaggc tgggtgacttt acggaagaaa 540
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<210> 4
<211> 199
<212> PRT

<213> Homo sapiens

<400> 4

Met Pro Asn Tyr Lys Leu Thr Tyr Phe Asn Met Arg Gly Arg Ala Glu
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Ile Ile Arg Tyr Ile Phe Ala Tyr Leu Asp Ile Gln Tyr Glu Asp His
20 25 30

Arg Ile Glu Gln Ala Asp Trp Pro Glu Ile Lys Ser Thr Leu Pro Phe
35 40 45

Gly Lys Ile Pro Ile Leu Glu Val Asp Gly Leu Thr Leu His Gln Ser
50 55 60

Leu Ala Ile Ala Arg Tyr Leu Thr Lys Asn Thr Asp Leu Ala Gly Asn
65 70 75 80

Thr Glu Met Glu Gln Cys His Val Asp Ala Ile Val Asp Thr Leu Asp
85 90 95

Asp Phe Met Ser Cys Phe Pro Trp Ala Glu Lys Lys Gln Asp Val Lys
100 105 110

Glu Gln Met Phe Asn Glu Leu Leu Thr Tyr Asn Ala Pro His Leu Met
115 120 125

Gln Asp Leu Asp Thr Tyr Leu Gly Gly Arg Glu Trp Leu Ile Gly Asn
130 135 140

Ser Val Thr Trp Ala Asp Phe Tyr Trp Glu Ile Cys Ser Thr Thr Leu
145 150 155 160

Leu Val Phe Lys Pro Asp Leu Leu Asp Asn His Pro Arg Leu Val Thr
165 170 175

Leu Arg Lys Lys Val Gln Ala Ile Pro Ala Val Ala Asn Trp Ile Lys
180 185 190

Arg Arg Pro Gln Thr Lys Leu
195